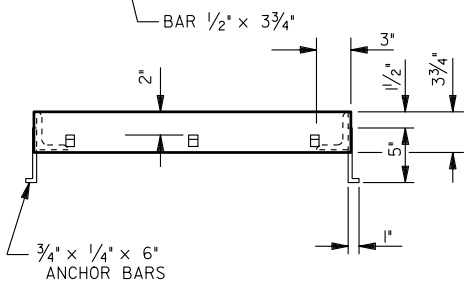
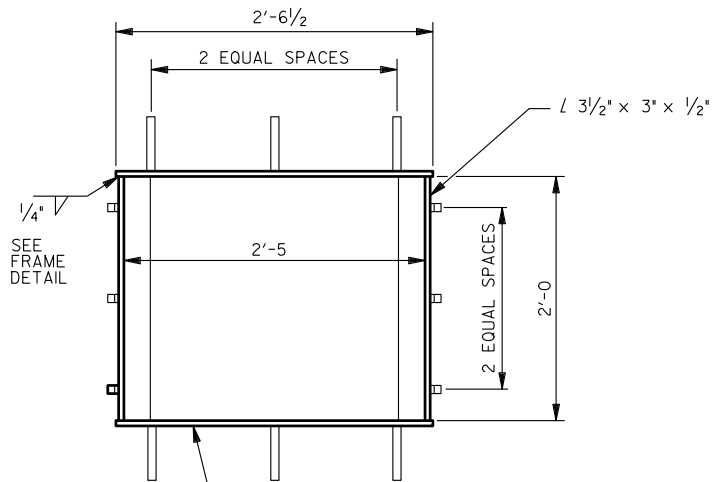
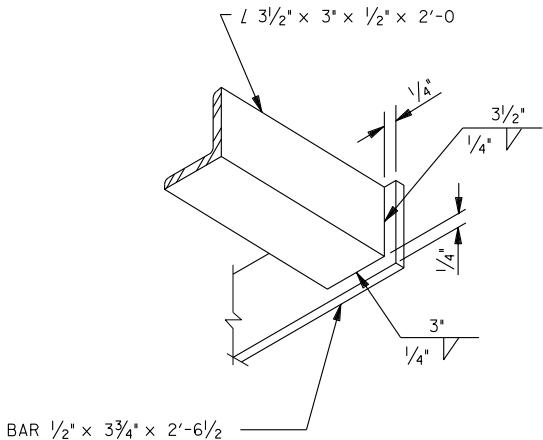


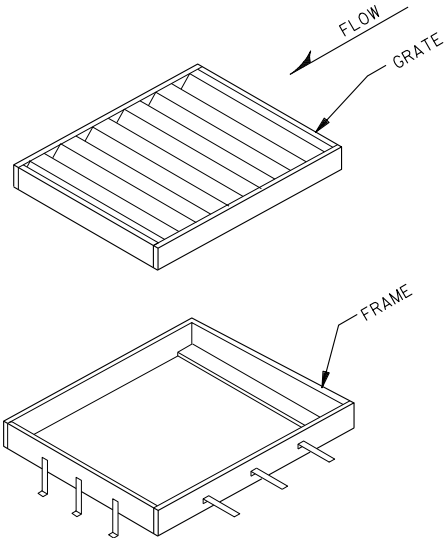
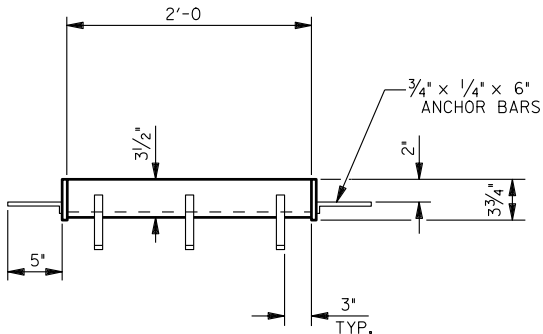
GRATE
GRATE WEIGHT = 410 LBS.



FRAME
FRAME WEIGHT = 77 LBS.



FRAME DETAIL



- NOTES:**
1. HOT-DIP GALVANIZE GRATING AND FRAME AFTER FABRICATION IN ACCORDANCE WITH AASHTO DESIGNATION M 111.
 2. USE STRUCTURAL CARBON STEEL CONFORMING TO AASHTO DESIGNATION M 270, GRADE 36 FOR STRUCTURAL STEEL GRATING.
 3. SEE ROADWAY PLANS FOR LOCATION AND NUMBER OF GRATES REQUIRED.
 4. WELD ALL JOINTS WITH A 1/4" FILLET WELD UNLESS NOTED OTHERWISE.
 5. ORIENT GRATE WITH DIRECTION OF FLOW.

DESIGN DATA
GRATE AND FRAME: MEET HS 20-44 LOADING OR INTERSTATE ALTERNATE LOADING IN ACCORDANCE WITH AASHTO SPECIFICATIONS WHICH ARE IN EFFECT AT DATE OF REQUEST FOR BIDS.
STRUCTURAL STEEL: F_s=24,000psi

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

RECOMMENDED FOR APPROVAL
CHAIRMAN STANDARDS COMMITTEE
APPROVED
DEPUTY DIRECTOR

28" x 24"
DIRECTIONAL FLOW
GRATE AND FRAME

STD DWG
GF 9

STANDARD DRAWING TITLE

REMARKS

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE